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*North America's Leader in Hazardous Material Information Management*  
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## MSDS PRODUCT INFORMATION

Date: 10/07/2005  
To: MSDS Requester  
From: 3E Company  
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☒ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Bernz-O-matic  
Product Name: Propane w/ Citronelle(DISCONTINUED)

**Material Safety Data Sheet**

May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

**IDENTITY (As Used on Label and List)****Propane w/ Citronella**

*Note: Blank spaces are not permitted. If any item is not applicable, or  
no information is available, the space must be marked to indicate that.*

**Section I**

Supplier's Name <b>BernzOmatic</b>	Emergency Telephone Number <b>716-796-4848</b>
Address (Number, Street, City, State, and ZIP Code) <b>One BernzOmatic Drive</b>	Telephone Number for Information <b>716-796-4848</b>
<b>Medina, NY 14103</b>	Date Prepared <b>01/30/98</b>
	Signature of Preparer (optional)

**Section II - Hazardous Ingredients/Identify Information**

Hazardous Components (Specific Chemical Identify Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>Propane CAS #74-98-6</b>	<b>1000 ppm</b>	<b>1000 ppm</b>	<b>N/A</b>	<b>99 1/2</b>
<b>Citronella Oil Ceylon CAS #8000-29-1</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>1/2</b>
<b>NIHA HAZARD RATINGS</b>		<b>HMIS RATINGS</b>		
<b>Health - 1</b>		<b>Health - 0</b>		
<b>Flammability - 4</b>		<b>Flammability - 4</b>		
<b>Reactivity - 0</b>		<b>Reactivity - 0</b>		

**NOTE:** When propane fuel is burned efficiently the normal by-products of  
combustion are CO<sub>2</sub> and H<sub>2</sub>O. Inefficient burning may add CO to  
the by-products of combustion. Citronella may add a lemon scent  
to the combustion products.

**Section III - Physical/Chemical Characteristics**

Boiling Point	<b>- 44°F</b>	Specific Gravity (H <sub>2</sub> O = 1) <b>Liquid @ 60°F</b>	<b>.52</b>
Vapor Pressure (mm Hg) <b>@ 100°F</b>	<b>197 psig</b>	Freezing Point	<b>N/A</b>
Vapor Density (Air = 1) <b>@ 1 ATM @ 60°F</b>	<b>1.56</b>	Evaporation Rate (Butyl Acetate = 1)	<b>N/A</b>
Solubility in Water	<b>Not Soluble</b>		
Appearance and Odor	<b>Colorless - Rotten Egg Odor</b>		

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) <b>-156°F Closed Cup</b>	Flammable Limits	<b>LEL 2.1</b>	<b>UEL 9.5</b>
Extinguishing Media	<b>Stop flow of gas or oxygen</b>		
Special Fire Fighting Procedures	<b>Use water to cool tanks</b>		

**Unusual Fire and Explosion Hazards****Auto Ignition Temp. 842°F Heavier than air (vapor density 1.5)****May travel a considerable distance to a source of ignition and flashback.**

# Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	N/A

Incompatibility (Materials to Avoid) N/A

Hazardous Decomposition or By-products None

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	N/A

# Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	yes	yes	no

Health Hazards (Acute and Chronic) Contact with liquid propane may cause frost burns.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Registered?
	N/A	N/A	N/A

Signs and Symptoms of Exposure High concentrations may cause headaches and drowsiness.

Medical Conditions Generally Aggravated by Exposure N/A

Emergency and First Aid Procedures Remove exposed person from contaminated area.

# Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled Remove ignition sources and ventilate area.

Waste Disposal Method Vent gas to atmosphere in flame free, spark free area outdoors.

Cylinder - low carbon steel recyclable metal.

Precautions to Be Taken in Handling and Storing Store at temperatures below 120°F in well ventilated, spark free, flame free area.

Other Precautions None

# Section VIII - Control Measures

Respiratory Protection (Specify Type) Not required with normal use.

Ventilation	Local Exhaust	N/A	Special	N/A
	Mechanical (General)	N/A	Other	N/A

Protective Gloves Not required Eye Protection Not required

Other Protective Clothing or Equipment Not required

Work Hygiene Practices N/A

# Section IX - SHIPPING INFORMATION

WHSE CLASSIFICATION	A - Compressed Gas & B1 - Flammable Gas		
DOT	PROPER SHIPPING NAME	HAZARD CLASSIFICATION	UN NO
Class: 2.1	Petroleum Gas, Liquefied	Flammable Gas	1075